Kev. 3/13/2004 11113 13 un experiment		 .	
Date 5/3/04 Serial #_	10/017,735	Priority Applicatio	n Date
Your Name M. Les	•	Examin	er#
AU 0890 Phone	279-1838	Room	430
In what format would you like your		7	DISK EMAIL
If submitting more than one searc			
The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.			
Where have you searched so f Circle: USPT DV	WPI EPO Abs		IBM TDB
Other:			
What relevant art have you for Information Disclosure Statem	und so far? Please attach ents.	pertinent citation	S OI
What types of references wou	ld you like? Please check	mark:	
Primary RefsNor	npatent Literature		
Secondary Refs For Teaching Refs	eign Patents		
What is the topic, such as the 1			
desired <u>focus</u> of this search? registry numbers, definitions, topic. Please attach a copy of	structures, strategies, and	anything else tha claims.	t helps to describe the
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Staff Use Only Searcher HARRISON	Type of Search Structure (#)	STN	· ·
Searcher: 2051	Bibliographic	Dialog	
Searcher Location: STIC-EIC2800, JEF-4B68	Litigation	Questel/Orbit	<u> </u>
Date Searcher Picked Up: 3-17	Fulltext	Lexis-Nexis	
Date Completed: 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	Patent Family	Other	
Online Time:	-		

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CAS/STN FILE 'INPADOC, WPIX, HCAPLUS' ENTERED AT 09:41:59 ON 17 MAY 2004
L1
       2 S US20030111716/PN
L2
        SEL PLU=ON L1 1- PN PRN:
                                   2 TERMS
L3
       2 S L2
  FILE 'WPIX, HCAPLUS' ENTERED
14
       8 S (US5323060 OR JP04056262 OR JP4056262 OR
       JP63128736 OR US5495398 OR US6340846 OR US5521122 OR US5804004) /PN
L5
       17 S LOBIANCO?/IN
       2 S L4 AND L5
L6
L7
       8 S L4
L8
        SEL PLU=ON L7 1- PN:
                               18 TERMS
  FILE 'DPCI' ENTERED
L9
      245 S L8/PN.D
  FILE 'WPIX' ENTERED
L10
       1 S US20030111716/PN
L11
         SEL PLU=ON L10 1- IC MC :
                                   6 TERMS
  FILE 'DPCI' ENTERED
L12
       245 S L8/PN.D
      3438 S L11
L13
L14
       45 S L13 AND L12
L15
       80 S L12 AND (MCM OR (MULTIPLE OR MULTI OR MULTICHIP OR TWO))
L16
       70 S L12 AND STACK########
L17
       0 S L12 AND DIEATTACH?
       21 S L12 AND ATTACH?
L18
       35 S L12 AND (WIRE OR WIREBOND####### OR BONDWIRE###)
L19
L20
       13 S L12 AND (COVER####### OR PROTECT####### OR
       BURY##### OR BURIE## OR THERMOSET##### OR ENCAPSUL#######)
L21
       161 S (L14 OR L15 OR L16 OR L17 OR L18 OR L19)
122
       84 S L12 NOT L21
L23
         SEL PLU=ON L22 1- PRN: 135 TERMS
L24
         SEL PLU=ON L21 1- PRN: 213 TERMS
L25
       13 S L12 AND (SPAC#### OR GAP#### OR THICKNESS#####)
L26
         SEL PLU=ON L25 1- PRN: 19 TERMS
  FILE 'WPIX, JAPIO, HCAPLUS' ENTERED
L27
       30 S L26
       336 S L24
L28
L29
       269 S L23
L30
      2252 S (ELIMINAT###### OR WITHOUT##### OR NO)(3W) SPACER##
L31
       0 S (L27 OR L28 OR L29) AND L30
L32
      4958 S DIE(2A) ATTACH######
L33
       1 S L30 AND L32
L34
     278112 S MCM OR MULTICHIP OR MULTIPLE(2W) CHIP OR STACK####
L35
       82 S L30 AND L34
L36
       174 S L32 AND L34
L37
      61898 S (WIRE## OR WIRING)(2A)(ATTACH##### OR INTERCONNECT### OR BOND#### OR BALL OR BALLBOND## OR PAD OR
       BONDPAD##) OR WIREBOND####### OR BONDWIRE###
L38
       17 S (L27 OR L28 OR L29) AND SPACER
      2252 S L30 AND SPACER
L39
L40
       32 S ((L27 OR L28 OR L29) OR (L35 OR L36) OR L38) AND INSULAT#### AND (COVER####### OR PROTECT###### OR
       BURY##### OR BURIE## OR THERMOSET##### OR ENCAPSUL#######)
L41
       126 S ((L27 OR L28 OR L29) OR (L35 OR L36) OR L38 OR L40) AND DIRECT#######
L42
       6 S L41 AND SECOND(3A)(DIE OR ATTACH#######)
       7 S L41 AND SECOND(3A)(CHIP OR MICROCHIP)
L43
L44
       8 S L41 AND SECOND(3A) SURFACE
L45
       7 S L41 AND SECOND(3A)(LAYER OR FILM)
L46
       2 S L41 AND SECOND(3A)(ADHE####### OR GLUE#### OR GLUING)
L47
       84 S L27 OR L38 OR L40 OR (L42 OR L43 OR L44 OR L45 OR L46)
L48
       43 S L47 AND SECOND
L49
       0 S L30 AND (MULTICHIP OR MULTIPLE CHIP OR MCM OR STACK####(2A)(CHIP OR MICROCHIP OR MODULE))
L50
       82 S L30 AND (MULTICHIP OR MULTIPLE CHIP OR MCM OR STACK####)
L51
       11 S L50 AND SECOND
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FILE 'WPIX, JAPIO, HCAPLUS' ENTERED 53 S L48 OR L51 53 S (L42 OR L43 OR L44 OR L45 OR L46) OR L52 L53 L54 2 S L53 NOT P/DT L55 245 S (L27 OR L35 OR L33 OR L38 OR (L40 OR L41 OR L42 OR L43 OR L44 OR L45 OR L46 OR L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR L53 OR L54)) L56 16 S L55 NOT P/DT L57 16 S L54 OR L56 L58 SEL PLU=ON L57 1- RN: 136 TERMS **FILE 'REGISTRY' ENTERED** 136 S L58 L59 L60 7 S L59 AND SI/ELS,MAC AND O/ELS,MAC L61 7 S L59 AND (POLYMER OR THERMOSET### OR HOMOPOLYMER OR COPOLYMER OR MONOMER OR POLY) L62 14 S (L60 OR L61) FILE 'WPIX, JAPIO, HCAPLUS' ENTERED 16 S L57 L63 SEL PLU=ON L63 1- AN: 31 TERMS L64 **FILE 'HCAPLUS' ENTERED** L65 16 S L64 6 S L62 AND L65 L66 L67 10 S L65 NOT L66 E MULTICHIP MODULES/CT L68 8453 S MULTICHIP OR MULTI CHIP OR MULTIPLE(W)(MICROCHIP OR CHIP) OR TWO(W)(MICROCHIP OR CHIP) OR MCM L69 28 S L68 AND SPACER SEL PLU=ON L69 1- RN: 74 TERMS L70 **FILE 'REGISTRY' ENTERED** 74 S L70 L71 17 S L71 AND SI/ELS,MAC AND O/ELS,MAC L72 L73 74 S L70 174 3 S L73 AND (POLYMER OR THERMOSET### OR HOMOPOLYMER OR COPOLYMER OR MONOMER OR POLY) **FILE 'HCAPLUS' ENTERED** 8 S (L72 OR L74) AND L69 L75 L76 795 S L68 AND DIRECT#### 36 S L68 AND DIRECT#### AND ATTACH###### L77 SEL PLU=ON L77 1- RN: 965 TERMS 178 **FILE 'REGISTRY' ENTERED** 965 S L78 L79 L80 30 S L79 AND (POLYMER OR THERMOSET### OR HOMOPOLYMER OR COPOLYMER OR MONOMER OR POLY)

L81 965 S L78

L82 12 S L81 AND SI/ELS, MAC AND O/ELS, MAC

FILE 'HCAPLUS' ENTERED

L83 19 S ((L80 OR L81)) AND L77 L84 10 S (L80 OR L82) AND L77 L85 64 S (L69 OR L75 OR L77 OR L84) L86

62 S L85 NOT L65 3 S L86 AND WITHOUT L87

L88 9 S L86 AND SECOND

L89 9 S L88 NOT L87

L90 32 S L86 AND (BETWEEN OR INTERPOS###### OR INTERLAYER#### OR ATTACH#####(4A)(DIE OR CHIP OR MICROCHIP))

L91 23 S L90 NOT (L87 OR L88)

L92 27 S L86 NOT (L87 OR L88 OR L89 OR L90 OR L91)

L93 0 S L92 AND SANDWICH######

0 S L92 AND SECOND(W)(CHIP OR MICROCHIP OR DIE) L94

L95 0 S L92 AND SECOND

FILE 'WPIX, JAPIO, HCAPLUS' ENTERED L96 229 S L55 NOT L57 L97 59 S L96 AND SECOND L98 10 S L97 AND (TWO OR SECOND OR ANOTHER OR THINNER)(3A)(GLU##### OR ADHE#### OR INTERL##### OR INTERPOS##### OR ATTACH#####) L99 15 S L97 AND (TWO OR SECOND OR ANOTHER OR THINNER)(3A)(INSULAT### OR OXIDE OR DIELEC#### OR SIO OR SIO2 OR DIOXIDE OR THERMOSET#### OR PROTECT#### OR COVER##### OR ENCAPSUL##### OR BURY### OR BURI###) L100 3 S L96 AND (PERIMET###### OR PERPHER#######)(4A)(DIE OR CHIP OR MICROCHIP OR BOND####### OR WIRE#####) L101 **FILE 'DPCI' ENTERED** L102 123 S (US 6340846 OR US5323060)/PN.D SEL PLU=ON L102 1- PRN: 159 TERMS L103 FILE 'WPIX, HCAPLUS, EUROPATFULL, PCTFULL, JAPIO' ENTERED L104 276 S L103 L105 17 S L104 AND SPACER L106 3 S L105 AND SECOND(3A)(ATTACH#### OR GLU##### OR ADHE######## OR BOND####) 1809 S SECOND(3A)(ATTACH#### OR GLU##### OR ADHE######## OR BOND####) AND DIRECT####(10A)(CHIP OR MICROCHIP OR DIE) L107 L108 1 S US20030111716/PN L109 SEL PLU=ON L108 1- IC MC: 6 TERMS L110 41195 S L109 L111 47 S L107 AND L110 41195 S L109 L112 8 S L105 AND L112 L113 33 S L111 AND (BONDWIRE### OR WIREBOND### OR WIRE(2A) BOND#### OR BALLBOND#### OR BOND####(2A) BALL) L114 L115 12 S L114 AND (SPAC#### OR GAP OR GAPP#### OR THICKNESS)/TI,AB,CLM 0 S L114 AND (SPAC#### OR GAP OR GAPP#### OR THICKNESS)/ABS,ABEN L116 L117 22 S L106 OR L113 OR L115 L118 815 S FLUSH(6A)(CHIP OR MICROCHIP OR DIE) L119 3843 S FLUSH(6A)(THERMOSET#### OR INSULAT#### OR BETWEEN OR INTERL####### OR INTERPOS######## OR OXIDE OR SIO OR DIOXIDE OR SIO2 OR SILICA OR ENCAPSULANT) L120 ## OR OXIDE OR SIO OR DIOXIDE OR SIO2 OR SILICA OR ENCAPSULANT) L121 179167 S (MCM OR MULTICHIP OR STACK#### OR (MULTI OR MULTIPLE)(2W)(DIE OR CHIP OR MICROCHIP))/TI,ABS,ABEN,AB L122 51 S L118 AND L119 L123 351 S L118 AND L120 L124 31 S . L118 AND L121 L125 109 S L119 AND L120 L126 52 S L119 AND L121 L127 2361 S L120 AND L121 36 S L122 AND L123 L128 L129 3 S L122 AND L124 L130 2 S L128 AND L129 L131 2 S L122 AND L127 L132 3 S (L129 OR L130 OR L131) L133 36 S L122 AND L120 L134 3 S L122 AND L121 20 S L123 AND L124 L135 L136 11 S L125 AND L126 L137 20 S L123 AND L121 L138 0 S (L133 OR L134 OR L135 OR L136 OR L137) AND (WIRE BOND#### OR WIREBOND#####)/TI,AB,ABS,ABEN L139 18 S (L133 OR L134 OR L135 OR L136 OR L137) AND (SECOND OR TWO)/TI,AB,ABEN,ABS 18 S L139 NOT L132 L140 L141 2 S L140 AND (BOND#### OR ATTACH##### OR DIEBOND####)/TI,AB,ABS,ABEN **FILE 'INSPEC' ENTERED** E MULTICHIP MODULES/CT 8547 S "MULTICHIP MODULES"/CT OR MCM OR MCM OR MULTI CHIP OR MULTICHIP L142 L143 518 S L142 AND 2000/PY L144 11 S L142 AND FLUSH 0 S L143 AND FLUSH AND WIRE BOND L145

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0 S L143 AND FLUSH AND WIREBOND

FILE 'INSPEC' ENTERED

E WIRE BOND/CT

E LEAD BONDING/CT

- L147 4360 S "LEAD BONDING"/CT OR "TAPE AUTOMATED BONDING"/CT OR WIRE BOND###### OR WIREBOND#######
- L148 22 S L147 AND L143
- L149 33 S L144 OR L148
- L150 0 S L149 AND PY>2001
- L151 3 S L149 AND INSULAT######
- L152 167 S INSULAT######(6A)CHIP
- L153 14 S INSULAT#####(6A)MULTICHIP
- L154 1 S INSULAT#####(6A)MICROCHIP
- L155 706 S (L143 OR L144) OR (L148 OR L149 OR L150 OR L151 OR L152 OR L153)
- L156 529 S (L143 OR L144) OR (L148 OR L149)
- L157 4 S (L152 OR L153 OR L154) AND L156

FILE 'INSPEC' ENTERED

- L165 517 S L142 AND ATTACH########
- L166 344 S L142 AND ATTACH#######(4A)(CHIP OR MICROCHIP OR DIE)
- L167 460 S L142 AND BOND#####(4A)(CHIP OR MICROCHIP OR DIE)
- L168 1 S (L165 OR L166 OR L167) AND FLUSH
- L169 34 S (L165 OR L166 OR L167) AND THICKNESS
- L170 38 S (L165 OR L166 OR L167) AND SECOND
- L171 159 S (L165 OR L166 OR L167) AND TWO
- L172 33 S (L165 OR L166 OR L167) AND INSULAT########
- L173 14 S (L165 OR L166 OR L167) AND THERMOSET#######
- L174 13 S (L168 OR L169 OR L170 OR L171) AND (L172 OR L173)

FILE 'JICST-EPLUS' ENTERED

- L175 1891 S MCM OR MULTI CHIP OR MULTICHIP
- L176 95 S L175 AND PY=2000
- L177 0 S L175 AND FLUSH
- L178 90 S L175 AND INSULAT#######
- L179 0 S L175 AND UNCONNECT########
- L180 0 S L175 AND NONCONNECT#######
- L181 53 S L175 AND THERMOSET########
- L182 9 S L178 AND L181
- L183 0 S L176 AND L182
- L184 3 S (L176 OR L177 OR L178) AND ATTACH########
- L185 0 S L175 AND SPACER